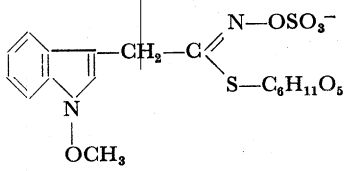
Neoglucobrassicin, Another Thioglucoside in *Brassica* Species with an Indole Group in the Molecule

Besides glucobrassicin, which was isolated from *Brassica* and *Raphanus* species a year ago in this laboratory, another thioglucoside with an indole group in the molecule was found in some *Brassica* species[1]. This glucoside, which we have named neoglucobrassicin, was isolated as its crystalline brucine salt from the rind of rutabaga (*Brassica napus* var. *napobrassica*). On the basis of the products formed in enzymic cleavage, acid hydrolysis, and hydrogenolysis with Raney nickel, neoglucobrassicin was concluded to be N_1-methoxy-glucobrassicin. The products were characterized by »thin-layer» chromatography and paper chromatography. When the new glucoside was heated, a cleavage product with mass 186 was found by mass spectrography. Under the same experimental conditions a cleavage product with mass 156 was formed from glucobrassicin. The mass difference 30 is in accordance with the formula proposed for neoglucobrassicin.



A detailed report of our work will be published in Acta Chemica Scandinavica.

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1. Gmelin, R. and Virtanen, A. I. *Ann. Acad. Sci. Fennicae A II* No **107** (1961); Virtanen, A. I. *Experientia* **17** (1961) 241.

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